

## Claims

1. A kind of emulsion pump with an air channel preventing liquid entrance, it comprises a piston rod, in which an upper one-way valve is disposed; a pressing head, which is fixed on the upper end of said piston; a screw-topped sleeve, on the lower wall of its central through hole is integrally formed a guide sleeve preventing liquid entrance, the inner wall of the guide sleeve preventing liquid entrance slidably matches with the outer wall of the piston rod; a cylinder, its upper screw thread is connected to a screw thread portion of the screw-topped sleeve, in the cylinder are provided a lower one-way valve and a spring; a rubber pipe, its upper end is fixedly connected with the lower end of the cylinder; a gasket, which is arranged on the outer side of the cylinder upper end and abuts tightly against the inner side lower surface of the screw-topped sleeve; characterized in that the width of the teeth of the upper end screw thread of the cylinder is A, the width of the gullet of the screw thread portion of the screw-topped sleeve which is connected with the screw thread of the cylinder is B, and B is greater than A, the gaps between them form a portion of the air channel of the emulsion pump; in addition, there is a gap between the contact surfaces of the upper end of the cylinder and the top lower surface of the screw-topped sleeve.

2. The emulsified pump as claimed in claim 1, characterized in that there is at least a notch on the upper end of the cylinder.